

# Arizona's Instrument to Measure Standards (AIMS)

## Sample Test Grade 6



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602-542-5031

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# READING

**DIRECTIONS:** Read this passage and then answer questions 1 through 5.

## Web Weaver

The ancient Greeks tell the story of a talented but foolish young woman named Arachne. Arachne was well known throughout the land for the beautiful tapestries and rugs she wove. One day at a local arts and crafts fair held in the agora<sup>1</sup>, she was busy working at her loom when a crowd began to gather around.

“What vivid colors! Such intricate designs!” exclaimed the crowd. “Truly such talent would rival Athena herself!”

High up in her home on Mt. Olympus, Athena heard the praises of those gathered and, as goddess of arts and crafts, decided to descend to the agora to investigate. Athena disguised herself as an old beggar woman so she could observe Arachne unnoticed.

With each compliment given by the onlookers, Arachne grew bolder and more proud. “Athena would have to work hard to achieve *my* skill,” she boasted. “*My* tapestries are superior to all others.”

In her disguise, Athena spoke up. “Foolish child,” she scolded. “Don’t you know how unwise it is to mock the gods? You should beg Athena for forgiveness at once,” warned the old woman.

Recklessly Arachne continued. “I don’t need to apologize for my skill. Why, if Athena and I were to have a contest, I am certain to be declared the better weaver.”

Upon hearing the challenge, Athena cast aside her disguise, revealing her true identity. With a stony glare she declared, “So be it. Let the competition begin!”

Her pride overcoming her fear, Arachne nodded and both began weaving. Rapidly the patterns began appearing on the looms. Athena’s tapestry pictured a scene of the troubles that come to those who anger the gods. Arachne’s tapestry displayed the gods in silly, unflattering ways.

When the goddess glanced at Arachne’s disrespectful design, she could take no more. Eyes blazing, she roared, “I gave you a warning, but you have gone too far! If you are so proud of your spinning and weaving, then that is what you shall do forever.” As soon as the command was issued, Arachne’s body and limbs began to shrivel up until she became a small spider.

Even today, Arachne remains in that form, weaving her webs as a reminder and warning to all those who might dare to challenge the gods.



1. In ancient Greece an agora (ag r ) was a marketplace or other gathering place.

AIMS Sample Test - Reading  
Grade 6

- 1 Who made the challenge to become the better weaver?
- A the gods
  - B Arachne
  - C Athena
  - D the Greeks
- 2 Which of the following is the theme of this passage?
- A The gods should respect humans.
  - B Weaving tapestries is difficult.
  - C The gods like to trick the Greeks.
  - D Showing too much pride is unwise.
- 3 How did Athena's disguise allow her to watch Arachne create her tapestries?
- A She looked too angry to be friendly.
  - B She dressed like a man so people ignored her.
  - C She dressed as a beggar woman to hide her identity.
  - D She looked too scary so people avoided talking to her.
- 4 Which of the following motivated Arachne to work so hard to weave her tapestries?
- A Arachne liked the vivid colors.
  - B Arachne liked to make fun of the gods.
  - C Arachne loved the crowd's attention.
  - D Arachne loved to do difficult things.

AIMS Sample Test - Reading  
Grade 6

- 5 Which of the following quotes indicates Arachne's conflict in the passage?
- A "So be it. Let the competition begin."
  - B "Such intricate designs!"
  - C "I gave you a warning, but you have gone too far!"
  - D "My tapestries are superior to all others."

**DIRECTIONS:** Read this poem and then answer questions 6 through 11.

## Morning

Morning  
Eyelids heavy  
Too heavy to open  
Alarm clock is buzzing again  
5 Hit snooze  
  
Breakfast  
I can smell it  
I think its Dad's turn to cook  
Salty sausage and sweet syrup  
10 Pancakes  
  
Had to wake up  
Time to get dressed  
Shuffle to the kitchen  
I'll pour a tall glass of orange juice  
15 Still tired  
  
Should have slept in  
No school today  
I'll spend time with my friends  
Saturday's good for relaxing  
20 Weekend

- 6 Read the following phrase from the poem.

**Salty sausage and sweet syrup**

This is an example of which element of poetry?

- A alliteration
- B onomatopoeia
- C rhythm
- D repetition



AIMS Sample Test - Reading  
Grade 6

7 Which of these phrases **best** states the main idea of this poem?

- A Weekends are less stressful.
- B Alarm clocks are annoying.
- C There is no school on Saturday.
- D Sausage is only for breakfast.

8 Read this line from the poem.

**Shuffle to the kitchen**

According to the author, what does this phrase mean?

- A playing with cards in the kitchen
  - B running quickly to the kitchen
  - C walking slowly to the kitchen
  - D taking papers to the kitchen
- 9 Based on the last stanza of the poem, what is the author's attitude upon realizing it is Saturday?
- A angry about getting up early
  - B disgusted about having nothing to do
  - C satisfied with getting to eat sausage
  - D positive about weekend activities

AIMS Sample Test - Reading  
Grade 6

- 10 Which of these phrases does **not** fit the mood of this poem?
- A I can smell it
  - B Shuffle to the kitchen
  - C Eyelids heavy
  - D Should have slept in
- 11 From which stanza does the reader know that breakfast is being prepared?
- A first
  - B second
  - C third
  - D fourth

**DIRECTIONS:** Read this advertisement and then answer questions 12 through 20.

# HIP HOP WORKSHOP

Saturday, May 14

10:00 A.M. – 3:00 P.M.

**North City Community Center  
5678 N. Verde Drive**

**All the hottest Hip Hoppers in town will be there showing you all the latest and greatest moves!!!**

Dancer and choreographer Bryan Feldman will be there straight from his tour with Gusher.

**Gizmo Valdez will share the same steps he taught the Los Angeles River Girls.**

**Missy Heart brings her VTV Awards show-stopping dance numbers to you.**

Four sessions will be held with classes at beginning, intermediate and advanced levels. Sign up for the classes that match your interest and skill level. There will be a one-hour lunch break, which includes a Jam Session where you can talk with the instructors and get their autographs. Lunch will not be provided. There is a picnic area if you want to bring your own lunch and a snack bar at the Community Center if you wish to purchase food. For safety reasons, no food or drink will be allowed in the dance rooms.

Instructor	10:00-10:45	11:00-11:45	12:00-1:00	1:00-1:45	2:00-3:00
Bryan	Int. Hip Hop	Beg. Breakin'	Lunch/Jam Session	Adv. Pop and Lock	Free Style/Showcase
Gizmo	Adv. Hip Hop	Int. Breakin'	Lunch/Jam Session	Beg. Pop and Lock	Free Style/Showcase
Missy	Beg. Hip Hop	Adv. Breakin'	Lunch/Jam Session	Inter. Pop and Lock	Free Style/Showcase

The cost for the workshop is \$60, which includes up to 4 classes. There is an early registration discount of \$10 if you register by May 10<sup>th</sup>.

Registration begins at 9:00 A.M., May 9<sup>th</sup> at the Community Center or online at [www.hiphop.edu](http://www.hiphop.edu). Class size is limited, so register early.

Call 602-555-6835 for more information.

- 12 Read the phrase from the flyer.

**All the hottest Hip Hoppers in town will be there showing you all the latest and greatest moves!!!**

What is the intended effect of these *loaded words*?

- A to get autographs from talented dancers
  - B to encourage dancers to sign up for classes
  - C to inform the instructors of their class times
  - D to locate directions to the community center
- 13 Which of the following is the BEST source of information about Hip Hop?
- A atlas
  - B thesaurus
  - C dictionary
  - D website
- 14 According to the flyer, which of the following is **not** a good reason to register for the Hip Hop Workshop?
- A There is a picnic area for lunch.
  - B There are classes for all ability levels.
  - C Missy Heart was on the VTV Awards Show.
  - D Gizmo Valdez taught the Los Angeles River Girls.

AIMS Sample Test - Reading  
Grade 6

- 15 James wants to learn break-dancing. Which instructor should he choose for his “breakin” class?
- A Missy
  - B Gusher
  - C Bryan
  - D Gizmo
- 16 After reading **Hip Hop Workshop**, who would be the intended audience?
- A actors
  - B dancers
  - C athletes
  - D singers

Based on the workshop schedule, the total number of sessions that the reader could participate in is –

- 17
- A 12 sessions
  - B 6 sessions
  - C 5 sessions
  - D 4 sessions

AIMS Sample Test - Reading  
Grade 6

- 18 From the information in this flyer, a dancer would **not** be able to –
- A expect to learn hip hop moves
  - B expect lunch to be provided
  - C expect to meet talented dancers
  - D expect to obtain autographs
- 19 Which of these questions should a dancer ask to know if they can enroll in the advanced Hip Hop class?
- A Can I take both the intermediate and advanced classes?
  - B When did Gizmo start Hip Hop dancing?
  - C How much experience does Missy have?
  - D What moves should I be able to do?
- 20 What is the organizational structure of this passage?
- A chronological order
  - B logical order
  - C cause and effect
  - D comparison and contrast

**DIRECTIONS:** Read this letter and then answer questions 21 through 27.

Student Council  
Desert Path Elementary School  
March 26, 20\_\_

Dear Principal Stanton,

The date for our annual Desert Path Pride Spirit Week is rapidly approaching and the Student Council has been discussing some new ideas about how to celebrate and express school pride this year. Since Spirit Week is the week before scheduled testing, we would like to suggest combining student festivities with preparation for testing. We want to assure you that all proposed activities would focus on academics while providing fun for those involved.

Testing time can be very stressful for students and teachers alike, and we believe that a certain amount of diversion after a year of hard work will create a more relaxed atmosphere. Students with less anxiety should perform better than pressure-packed pencil pushers. All kidding aside, we feel our students deserve a change in their daily routine before settling down to the serious task of testing. Our plan for the week is as follows:

**Monday** – Math Day would include fun math games in the classrooms and school-wide activities such as estimation to guess the number of jelly beans in a jar, recording times at relay races, competitions for multiplication facts, and measuring to find and compare sizes of items at school.

**Tuesday** – Reader’s Roundup would focus on books and authors. Students and staff can come dressed as their favorite author or character from a book. This day would be great for the librarian’s famous “Mystery Reader” contest. Older students can share reading time with younger-aged buddies.

**Wednesday** – Writer’s Day would display student writing from previously held competitions for types of writing like poems, stories and essays. Of course there would be prizes given for outstanding writing in each category.

**Thursday** – Words Day would deal with vocabulary. We’ve had Twin Day in previous spirit celebrations. Why not hold a Synonym Day where people can portray synonyms with partners by wearing similar costumes?

**Friday** – No Fear Day would be where we have our spirited assembly to get us ready for testing. The Student Council could even put on a skit showing how all of us at Desert Path are ready for test week.

These are just a few of the ideas we are asking you to consider. We would like to have the opportunity to meet with you and discuss our plan and to hear what ideas you may have for Spirit Week. Please let us know when you can schedule some time to meet.

Respectfully yours,  
The Student Council

AIMS Sample Test - Reading  
Grade 6

- 21 Adding the affix bi– to the word annual makes a new word that means –
- A two times each year
  - B more than two years
  - C three times each year
  - D more than three years
- 22 Which is a fact that supports the author’s argument about changing Spirit Week?
- A Testing can be very stressful.
  - B Our students deserve a change in their daily routine.
  - C All proposed activities would focus on academics.
  - D Older students can share reading time with younger-aged buddies.

- 23 Read the following sentence from the letter.

**Students with less anxiety should perform better than pressure-packed pencil pushers.**

Which of the following words means *pressure-packed*?

- A sealed
- B tense
- C carefree
- D squeezed



AIMS Sample Test - Reading  
Grade 6

- 24 Which of the following is the Student Council's **main** purpose for writing the letter to the principal?
- A to entertain
  - B to inform
  - C to describe
  - D to persuade
- 25 Which of these will **most likely** happen as a result of this letter?
- A Spirit Week will be cancelled.
  - B Spirit Week activities will be changed.
  - C Spirit Week will be postponed.
  - D Spirit Week will be held in the library.
- 26 Which organizational feature is used to focus the reader on the proposed activities?
- A diagrams
  - B topic sentences
  - C boldface print
  - D headings
- 27 In the letter, which of the following is a synonym for the word diversion?
- A routine
  - B division
  - C change
  - D anxiety



AIMS Sample Test – Reading Answer Key  
Grade 6

Item Number	Correct Answer	Performance Objective
1	B	1-6-7
2	D	2-1-2
3	C	1-6-7
4	C	2-1-3
5	D	2-1-1
6	A	2-1-7
7	A	2-1-1
8	C	2-1-6
9	D	2-1-5
10	A	2-1-6
11	B	2-1-7
12	B	3-3-3
13	D	3-1-4
14	A	3-3-3
15	C	3-1-6
16	B	3-3-2
17	D	3-2-1
18	B	1-6-1
19	D	3-2-3
20	B	3-1-9
21	A	1-4-1
22	C	3-1-3
23	B	1-4-4
24	D	3-3-1
25	B	3-1-9
26	C	3-1-5
27	C	1-4-2

# WRITING

AIMS Sample Test – Writing  
Grade 6

**Writing**

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**DIRECTIONS:**

Read the writing prompt below. Use the next page for your prewriting/planning.  
Then write your draft.

The cafeteria serves some foods people like and some they don't like. Think about three different foods that you would like the cafeteria manager to serve that you can't get now in the cafeteria.

Write a letter to the cafeteria manager convincing her to serve each of the three new foods that you are suggesting.

Your writing should:

- Target a specific audience and purpose.
- Organize clear ideas into a meaningful sequence.
- Be written in appropriate business-letter form.

Remember to edit for spelling, grammar, punctuation, and capitalization.

AIMS Sample Test – Writing  
Grade 6

***Writing*** \_\_\_\_\_

**DIRECTIONS:**

Use the prewriting/planning space below for notes, lists, webs, outlines, or anything else that might help you plan your writing.

**Prewriting/Planning**

AIMS Sample Test – Writing  
Grade 6

**Writing** \_\_\_\_\_

**DIRECTIONS:**

Write your draft on the following lines. Look back at the writing prompt and your prewriting/planning as you write your draft.

**Draft**

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

[illegible]

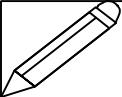
AIMS Sample Test – Writing  
Grade 6

**Writing** \_\_\_\_\_

**FINAL COPY**

**DIRECTIONS:**

Now you are going to revise your draft. Read your draft. Then use the questions in the Writer's Checklist as a guide to make changes to your draft. Check each box if you can answer "yes" to that question.

	<p><b>WRITER'S CHECKLIST</b></p> <p>Are my ideas clear?</p> <p>Does my writing have words that make it interesting?</p> <p>Does my writing have a clear beginning, middle, and ending?</p> <p>Does my writing sound right and make sense?</p> <p>Did I edit for capital letters?</p> <p>Did I edit for correct punctuation?</p> <p>Did I edit for correct spelling?</p> <p>If you left any box in the checklist blank, think about ways to make your writing better.</p>
---	--

**DIRECTIONS:**

For each box you did not check, make the change on your draft. Then write your final copy on the following pages.



**DIRECTIONS:** Now write your final copy on the following two pages.

[illegible]

**FINAL COPY**

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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# MATHEMATICS

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## AIMS Reference Sheet

### PLANE FIGURES: PERIMETERS AND AREAS

Name	Notation	Perimeter (P) Circumference (C)	Area (A)
Triangle	$a, b, c$ = sides $h$ = height	$P = a + b + c$	$A = \frac{1}{2}bh$ or $A = \frac{b \times h}{2}$
Rectangle	$b$ = base $h$ = height	$P = 2(h + b)$	$A = b \times h$
Circle	$r$ = radius $d$ = diameter	$C = d$ or $C = 2r$	$A = \pi r^2$
Parallelogram	$a, b$ = sides $h$ = height	$P = 2(a + b)$	$A = b \times h$
Trapezoid	$a, b, c, d$ = sides $B_1$ = long base $B_2$ = short base $h$ = height	$P = a + b + c + d$	$A = \frac{(B_1 + B_2)h}{2}$
			Use 3.14 or $\frac{22}{7}$ for $\pi$ .

### GEOMETRIC SOLIDS: VOLUMES

Name	Notation	Volume (V)
Rectangular Prism	$l$ = length $w$ = width $h$ = height	$V = l \times w \times h$
Rectangular Pyramid	$B$ = area of the base $h$ = height	$V = \frac{1}{3}Bh$ or $V = \frac{B \times h}{3}$
Right Cylinder	$r$ = radius $h$ = height	$V = \pi r^2 h$
Right Cone	$r$ = radius $h$ = height	$V = \frac{1}{3}\pi r^2 h$ or $V = \frac{\pi r^2 h}{3}$
Sphere	$r$ = radius	$V = \frac{4}{3}\pi r^3$

### GEOMETRIC SOLIDS: SURFACE AREAS

Name	Notation	Surface Area (SA)
Rectangular Prism	$l$ = length $w$ = width $h$ = height	$SA = 2lw + 2lh + 2wh$
Right Cylinder	$r$ = radius $h$ = height	$SA = 2(\pi r^2) + 2\pi rh$

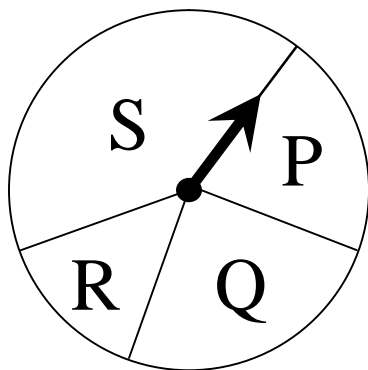
**Mathematics**

**DIRECTIONS:** Read each question and choose the best answer.

- 1 Sofia ate  $\frac{3}{4}$  of her candy. What is the decimal equivalent of  $\frac{3}{4}$ ?

A 0.75  
B 0.50  
C 0.25  
D 0.20

- 2 Kevin predicted that the arrow on the spinner shown below would stop on “S” more than any other letter.



Kevin recorded the results of 20 spins. Which of the following **most likely** represents the results of Kevin’s spins?

A P – 4 Q – 6 R – 6 S – 4  
B P – 2 Q – 1 R – 9 S – 8  
C P – 2 Q – 10 R – 2 S – 6  
D P – 6 Q – 4 R – 2 S – 8

- 3 Which of these is **best** describes the rule for the  $x$  and  $y$  values in the table below?

Input ( $x$ )	Output ( $y$ )
6	14
7	17
8	20
9	23
10	26

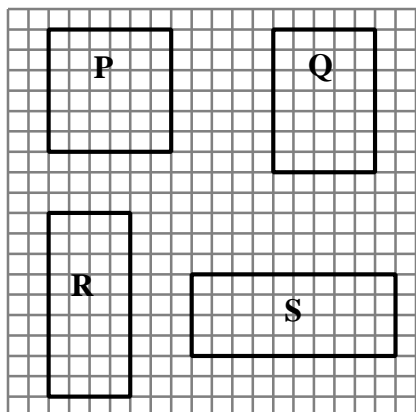
A  $3x - 4 = y$   
B  $2x - 4 = y$   
C  $3x + 4 = y$   
D  $2x + 4 = y$

- 4 Which of the following is the value of  $P$  for the problem below?

$$P \times 72 = 2232$$

A 2304  
B 2160  
C 72  
D 31

- 5 Which of the following parallelograms have the same area?

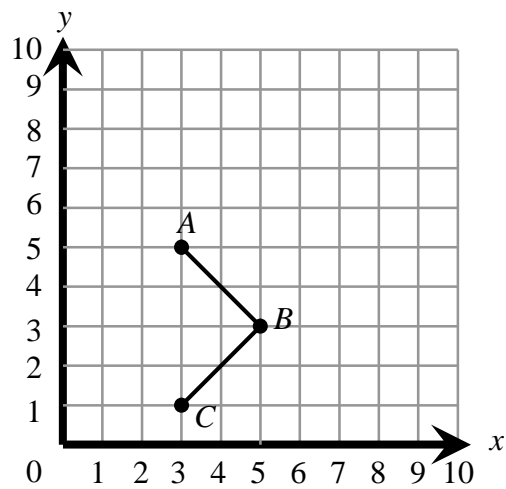


- A P and Q  
B P and R  
C Q and R  
D R and S
- 6 A group is planning to go to an amusement park.
- There will be 237 people going on the trip.
  - Only 46 people can ride the rollercoaster at one time.
  - No one will be allowed a second ride until everyone has had a turn.

What is the least number of rollercoaster rides needed for everyone to have a turn?

- A 10  
B 8  
C 6  
D 3

- 7 Figure  $ABCD$  is a rhombus. What should be the coordinates of point  $D$ ?



- A (3, 5)  
B (1, 3)  
C (3, 1)  
D (5, 3)
- 8 What is the correct placement of the decimal point in the product of the problem below?

$$\begin{array}{r} 1.234 \\ \times 0.90 \\ \hline \end{array}$$

- A 111.06  
B 11.106  
C 1.1106  
D .11106

- 9 Roscoe wanted to find out which video games to play at his birthday party. Which of the following questions would **best** help him decide which game to play?

A Do you like TV better than video games?  
B What do you like to do in your spare time?  
C Do you like fruit punch or soda to drink?  
D What is your favorite video game?

- 10 What is the least common multiple (LCM) of 4 and 14?

A 2  
B 14  
C 28  
D 56

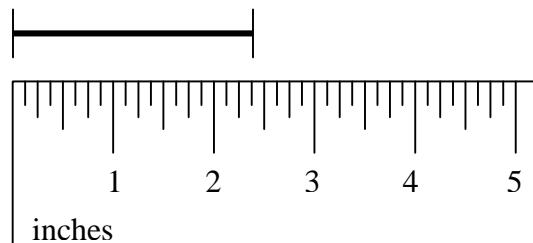
- 11 Art used an input/output model for the following numbers.

Input		Output
114	→	38
111	→	37
108	→	36

What is the rule for the input/output model?

A add 3  
B subtract 3  
C multiply by 3  
D divide by 3

- 12 What is the measure of the line segment below to the nearest  $\frac{1}{8}$  inch?

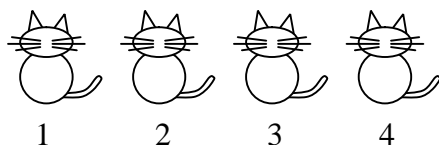


A  $2\frac{1}{2}$  in.  
B  $2\frac{3}{8}$  in.  
C  $2\frac{1}{8}$  in.  
D 2 in.

- 13 Caroline and 2 friends are going to the mall on a bus. In how many different orders can the girls get into the front of the bus?

A 3  
B 6  
C 9  
D 12

- 14 Use the clues below to label each cat.



- The gray cat is not first.
- The tabby cat is to the right of the white cat.
- The white cat is not last.
- The black cat is between the tabby and gray cats.

Which of the following lists has the cats labeled in the correct order?

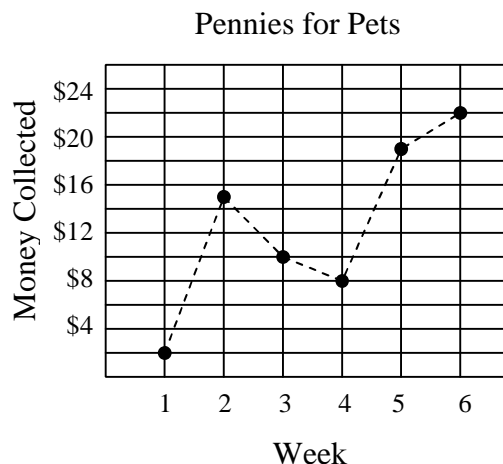
- A white, tabby, black, gray
- B tabby, black, white, gray
- C tabby, black, gray, white
- D white, tabby, gray, black
- 15 Janae would like to buy a lip gloss and nail polish for each person coming to her party, at the prices given below.

- Lip gloss: \$2.75 each
- Nail polish: \$1.79 each

If Janae has 21 people coming to her party, what will be the total cost before tax is added?

- A \$37.59
- B \$57.75
- C \$74.34
- D \$95.34

- 16 The graph below displays the amount of money collected by Mrs. Rice's class for "Pennies for Pets."



During which two-week period did the amount of money collected decrease the most?

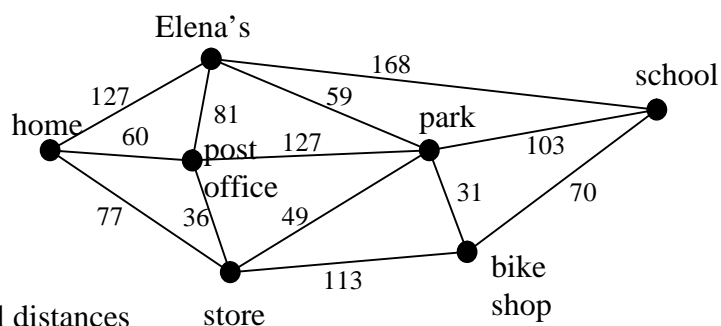
- A Week 2 and Week 3
- B Week 4 and Week 5
- C Week 1 and Week 2
- D Week 3 and Week 4
- 17 What is the solution to the problem below, in lowest terms?

$$\frac{8}{9} \div \frac{2}{7} =$$

- A  $\frac{4}{63}$
- B  $\frac{16}{63}$
- C  $3\frac{1}{9}$
- D  $3\frac{2}{9}$



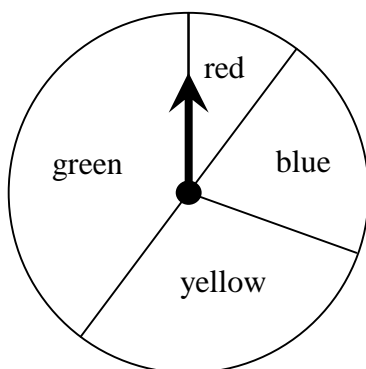
- 18 Darien wants to take the shortest route from her house to school.



All distances  
in meters

Which of the following routes is the shortest path for her to take?

- A home → store → park → school
  - B home → Elena's → park → school
  - C home → store → bike shop → school
  - D home → post office → Elena's → school
- 19 Alexandra spun the arrow of the spinner below 25 times. Her results are shown in the table below.



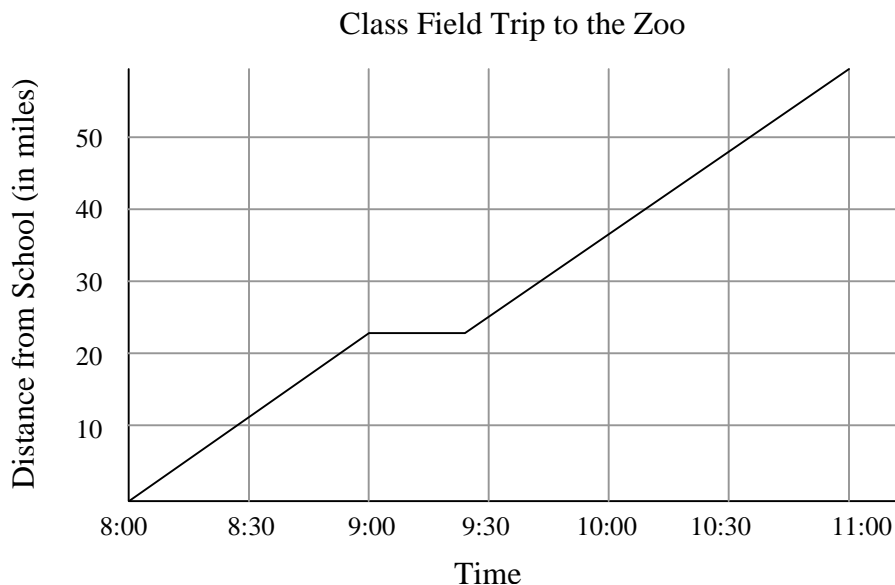
Alexandra's Results

Color	Number of Occurrences
Red	4
Blue	6
Yellow	7
Green	8

If Alexandra repeats the experiment and spins the arrow of the same spinner 150 times, which of the following is the **most reasonable** prediction?

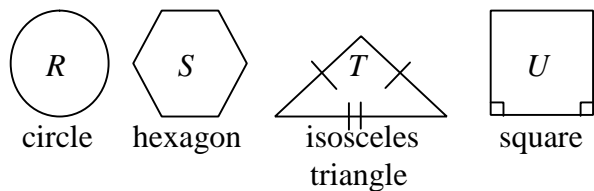
- A The arrow will land on the green section 45 times.
- B The arrow will land on the yellow section 28 times.
- C The arrow will land on the blue section more than any other section.
- D The arrow will land on the red section more often than any other color.

- 20 The bus taking Mr. Scott’s class on a field trip had a flat tire on the way to the zoo.



Based on the graph, approximately when did the bus tire go flat?

- A 8:00 – 8:30  
B 9:00 – 9:30  
C 9:30 – 10:00  
D 10:30 – 11:00
- 21 Which of the following shapes has **only** 1 line of symmetry?



- A R  
B S  
C T  
D U

- 22 The expression  $32y$  is used to convert quarts to ounces, where  $y$  is the number of quarts. Using this expression, how many ounces are in 30 quarts?

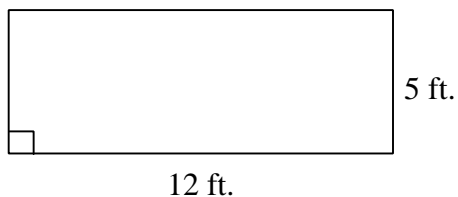
A 62 ounces  
B 96 ounces  
C 620 ounces  
D 960 ounces

- 23 What is the simplified form of the expression below?

$$4 \times 5 + 2 \div 2$$

A 11  
B 14  
C 21  
D 24

- 24 What is the area of this rectangle?

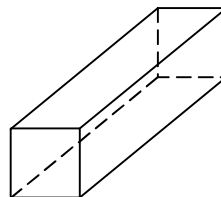


A  $17 \text{ ft.}^2$   
B  $24 \text{ ft.}^2$   
C  $34 \text{ ft.}^2$   
D  $60 \text{ ft.}^2$

- 25 Which of the following expressions represents a number ( $n$ ) less than 12?

A  $n - 12$   
B  $12 - n$   
C  $n + 12$   
D  $12 + n$

- 26 What type of solid figure is represented by the drawing below?



A cone  
B cylinder  
C pyramid  
D prism

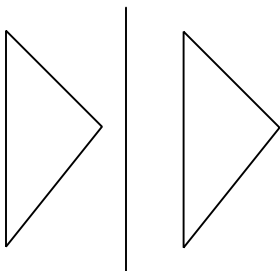
- 27 What is the solution to the following problem, in lowest terms?

$$\frac{1}{8} \times \frac{5}{7} =$$

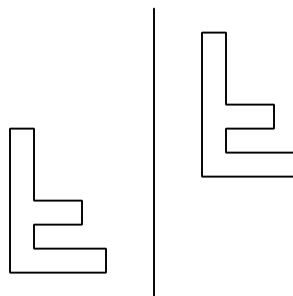
A  $\frac{5}{56}$   
B  $\frac{7}{40}$   
C  $\frac{6}{15}$   
D  $\frac{5}{7}$

28 Which pair of figures below shows a reflection across the line?

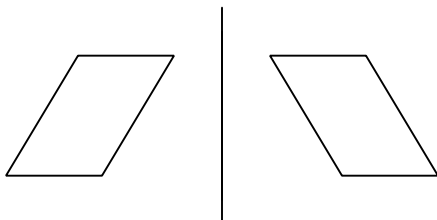
A



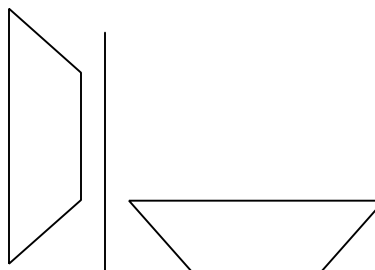
C



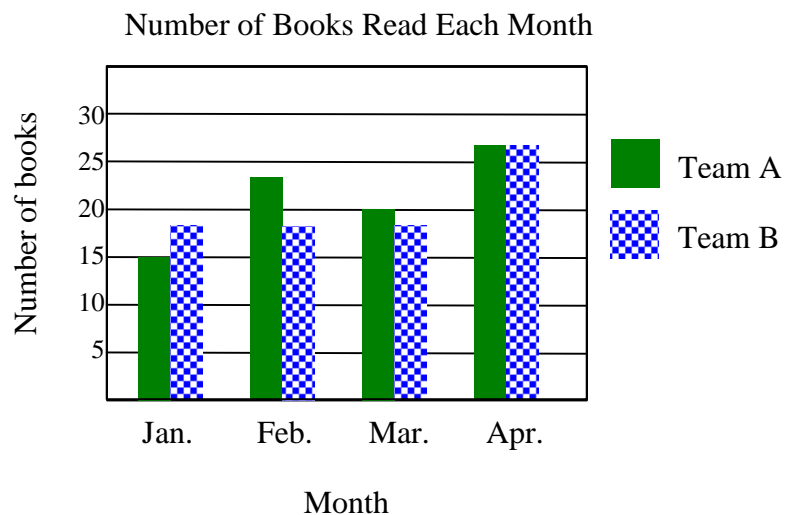
B



D



29 The graph below shows the number of books read each month by Ms. Givens' students.

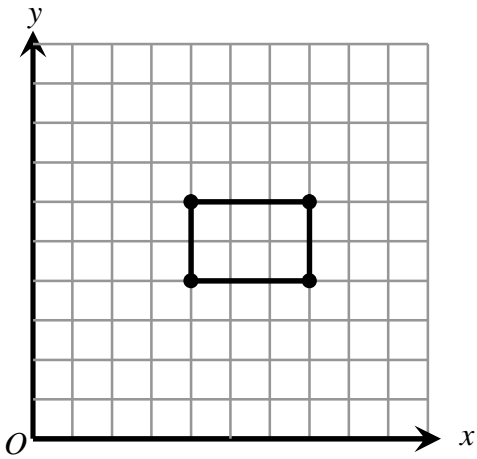


In which month did Team B read more books than Team A?

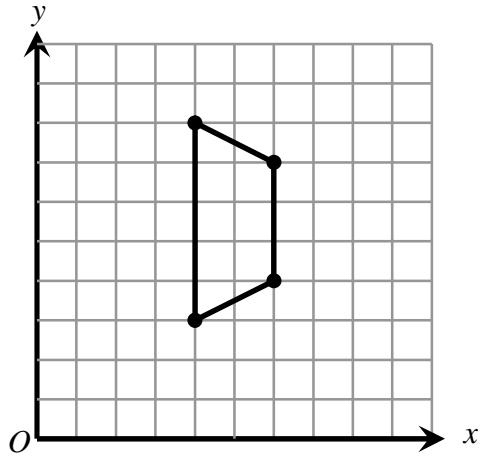
- A January
- B February
- C March
- D April

- 30 Norma will use the grid to plot the ordered pairs  $(3, 4)$ ,  $(4, 6)$ ,  $(7, 6)$ , and  $(8, 4)$ . If she connects the four points with line segments, which figure will represent her drawing?

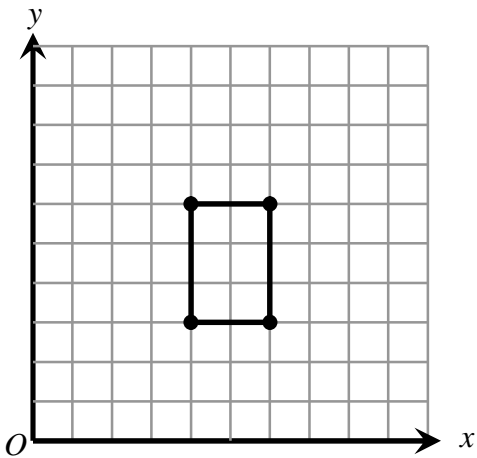
A



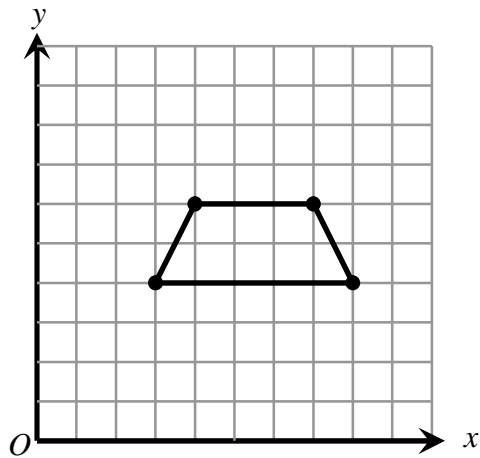
C



B



D



- 31 A local restaurant is advertising a combination dinner special. Donna can choose one entrée, one side, and one drink.

Entrée	Side	Drink
Hamburger	Salad	Milk
Chicken Sandwich	Fruit	Juice
Lasagna	Chips	Soda

According to the menu, from how many different dinner combinations can Donna choose?

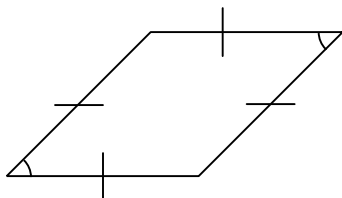
- A 27  
B 18  
C 9  
D 3
- 32 The shaded area in the rectangle below is 96 square yards.



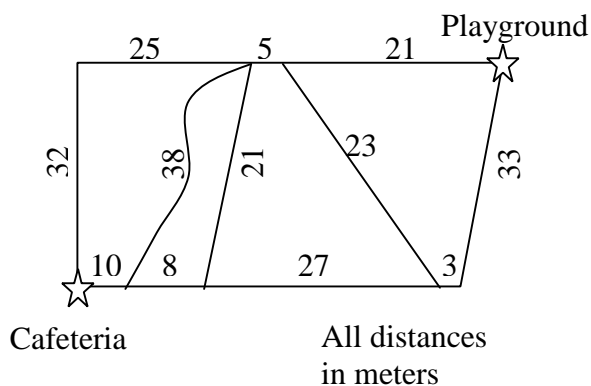
Which of the following is the **most reasonable estimate** of the area of the entire rectangle?

- A 200 square yards  
B 250 square yards  
C 300 square yards  
D 350 square yards

- 33 Which of the following terms could **not** be used to describe the polygon below?



- A quadrilateral  
B square  
C parallelogram  
D rhombus
- 34 Using the map below, what is the measure of the shortest route from the playground to the cafeteria?



- A 81 meters  
B 70 meters  
C 65 meters  
D 38 meters

- 35 The rule for the pattern below is to multiply the preceding term by 3.

2, 6, 18, ...

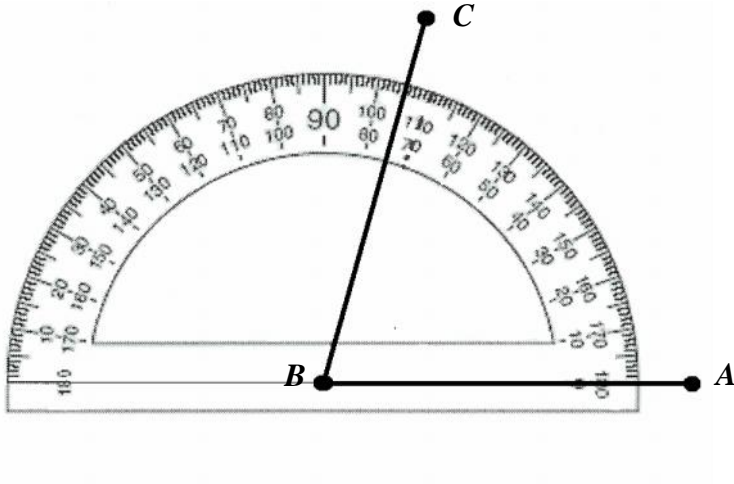
Continuing with this pattern, what number would be the 5<sup>th</sup> term?

- A 1,458  
B 486  
C 162  
D 54
- 36 Which number is missing from the numerical pattern?

20, 36, 52, \_\_\_, 84, 100, 116

- A 64  
B 68  
C 76  
D 78

- 37 Use the protractor below to find the measure of  $\angle ABC$ .



What appears to be the measure of  $\angle ABC$ ?

- A  $105^\circ$
- B  $80^\circ$
- C  $75^\circ$
- D  $70^\circ$



AIMS Sample Test – Mathematics Answer Key  
Grade 6

Item Number	Correct Answer	Performance Objective
1	A	1-1-4
2	D	2-2-5
3	A	3-2-1
4	D	3-3-5
5	B	4-4-10
6	C	1-3-3
7	B	4-3-2
8	C	5-1-2
9	D	2-1-1
10	C	1-1-6
11	D	3-2-1
12	B	4-4-3
13	B	2-3-2
14	A	5-2-1
15	D	1-2-14
16	A	3-4-1
17	C	1-2-12
18	A	2-4-1
19	A	2-2-6
20	B	2-1-4
21	C	4-1-9
22	D	3-3-2
23	C	1-2-15
24	D	4-4-9
25	B	3-3-3
26	D	4-1-3
27	A	1-2-9
28	B	4-2-1
29	A	2-1-3
30	D	4-3-1
31	A	2-3-1
32	C	1-3-1
33	B	4-1-1
34	C	2-4-1
35	C	3-1-2
36	B	3-1-3
37	C	4-4-4